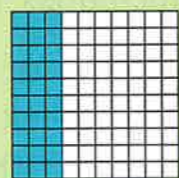# Percentages, fractions and decimals

Know percentage and decimal equivalents of fractions
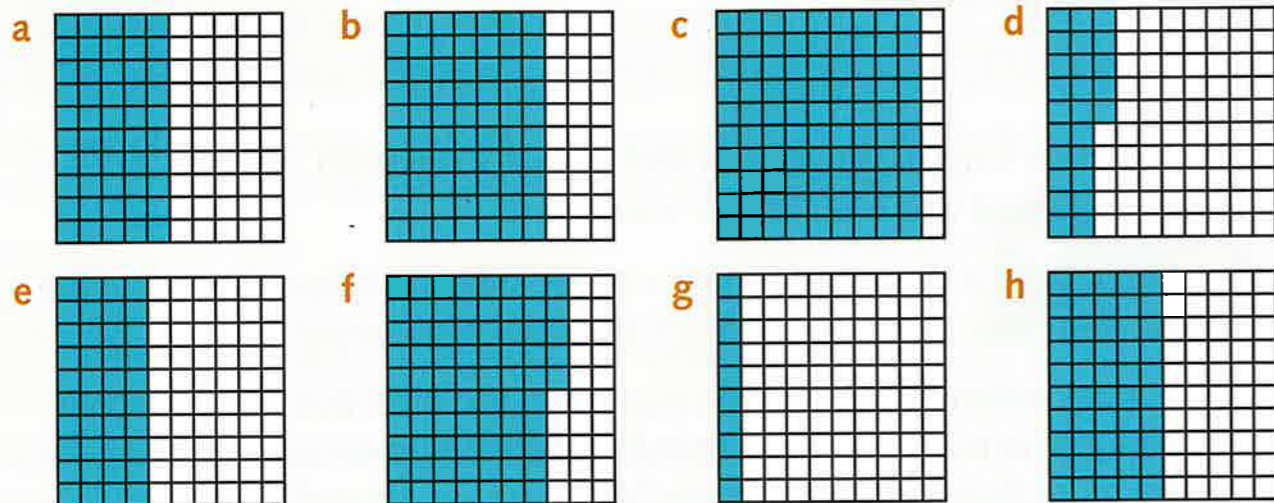
Write the equivalent per cent and fractions for each 100 grid.
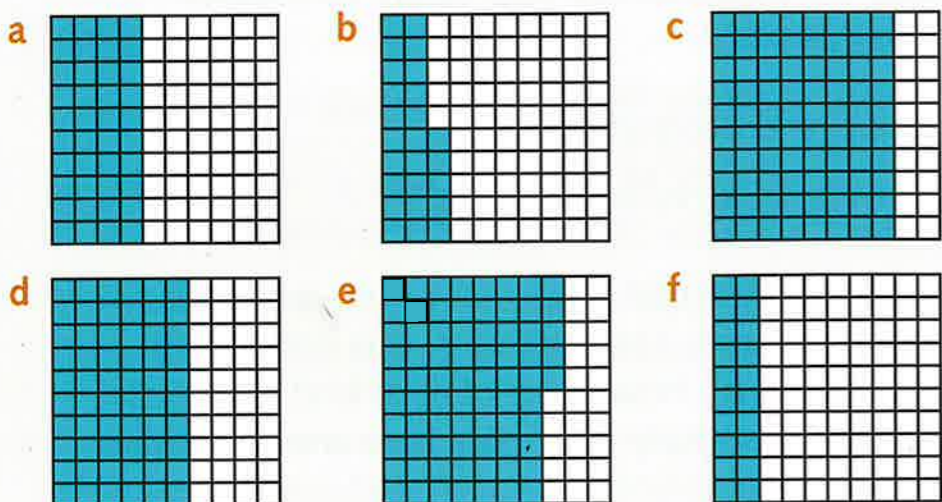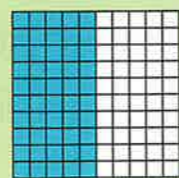
Example

$30\% = \frac{30}{100} = \frac{3}{10}$

a b c d

e f g h

Write the equivalent per cent, fractions and decimals for each 100 grid. One of your fractions should be a quarter or a fifth.

a b c

d e f

Example

$50\% = \frac{1}{2} = \frac{2}{4} = 0.5$

2. Choose a per cent from box A and then choose an equivalent fraction and decimal from boxes B and C.

Example

$10\% = \frac{1}{10} = 0.1$

A

100%   40%
50%
75%   20%
30%
60%   80%
10%
70%   25%
90%

B

$\frac{4}{5}$ $\frac{1}{4}$ $\frac{1}{10}$
$\frac{7}{10}$ $\frac{3}{10}$ $\frac{2}{5}$
$\frac{3}{5}$ $\frac{9}{10}$ $\frac{10}{10}$
$\frac{3}{4}$ $\frac{1}{5}$ $\frac{1}{2}$

C

0.3
0.5   0.8
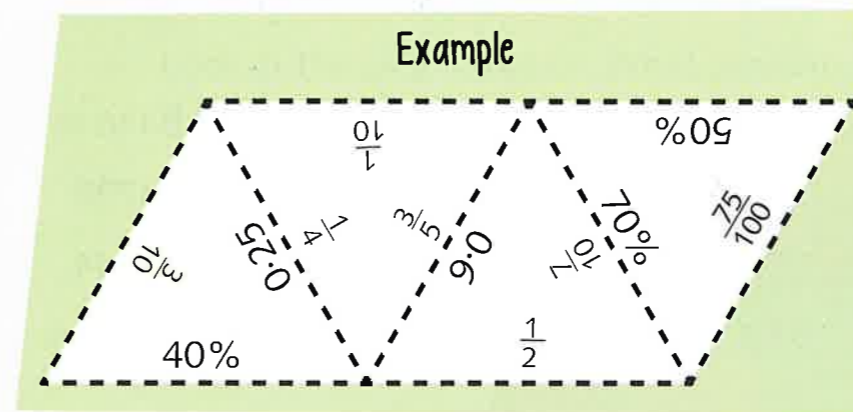0.4   0.75   0.25
0.9   0.2   0.1
1   0.7   0.6

Challenge 3

Using Resource 54: Trios, design and make a trios set where equivalent percentages, fractions and decimals are matched.

You will need:
• Resource 54: Trios

Hint

Trios are like dominoes, except the cards have three sides instead of two.

Example

$\frac{1}{10}$ 50%
$\frac{3}{10}$ 0.25 $\frac{1}{4}$ $\frac{3}{5}$ 0.6   70% $\frac{7}{10}$ $\frac{75}{100}$
40% $\frac{1}{2}$